PRINTER RUSH
(PTO ASSISTANCE)

Application : 09/887743 **Examiner :** Philippe **GAU :** 2613

From: MR **Location:** (IDC) FMF FDC **Date:** 04-11-05

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☐ 312		
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[RUSH] **MESSAGE:** Provisional applications are listed in palm sheet but not in specification.

Please supply.

Thank you,
MR

[XRUSH] **RESPONSE:**

INITIALS:

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

DOUBLE-LOOP MOTION-COMPENSATION FINE GRANULAR SCALABILITY

RELATED APPLICATIONS

[0001] Commonly-assigned, copending U.S. Patent Application, No. 09/887754, entitled "Single-Loop Motion-Compensation Fine Granular Scalability", filed June 21, 2001.

[0002] Commonly-assigned, copending U.S. Patent Application, No. 09/930672, entitled "Totally Embedded FGS Video Coding with Motion Compensation", filed August 15, 2001.

FIELD OF THE INVENTION

[0003] The present invention relates to video coding, and more particularly to a scalable enhancement layer video coding scheme that employs motion compensation within the enhancement layer for bi-directional predicted frames (B-frames) and predicted frames and bi-directional predicted frames and (P- and B-frames).

BACKGROUND OF THE INVENTION

[0004] Scalable enhancement layer video coding has been used for compressing video transmitted over computer networks having a varying bandwidth, such as the Internet. A current enhancement layer video coding scheme employing fine granular scalable coding techniques (adopted by the ISO MPEG-4 standard) is shown in FIG. 1. As can be seen, the video coding scheme 10 includes a prediction-based base layer 11 coded at a bit rate R_{BL}, and an FGS enhancement layer 12 coded at R_{EL}.